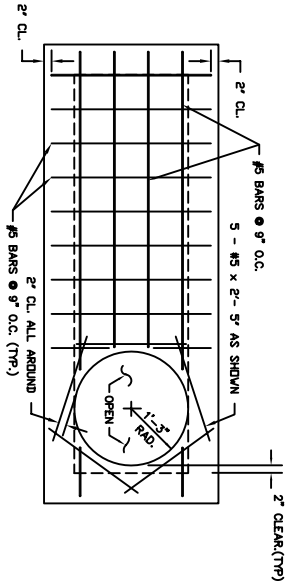
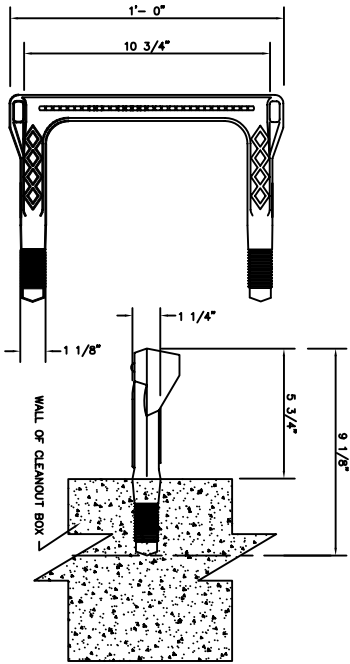


1 PLAN @ STANDARD CLEANOUT

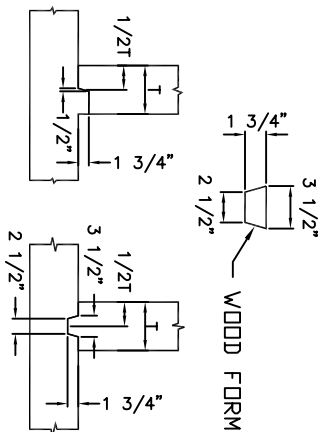


3 STEEL PLACEMENT IN TOP SLAB

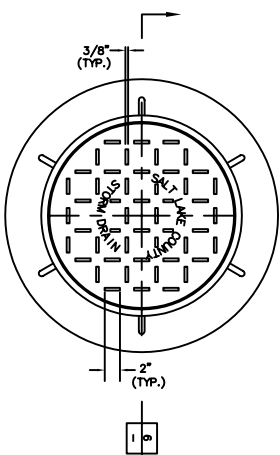


5 LADDER RUNG DETAIL

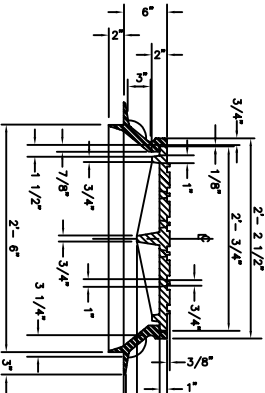
SCALE 3/8" = 1"  
M.A. INDUSTRIES INC. COPOLYMER POLYPROPYLENE  
PLASTIC STEPS - OR EQUIVALENT ALTERNATE.



SHEAR KEY DETAILS



\* PLAN @ MANHOLE FRAME & LID



\* SECTION THRU MH FRAME & LID

USE BOLT-DOWN, WATER-TIGHT COVER WHERE CALLED FOR  
ON PLANS. (O & L SUPPLY MODEL E-1926 OR EQUAL.)

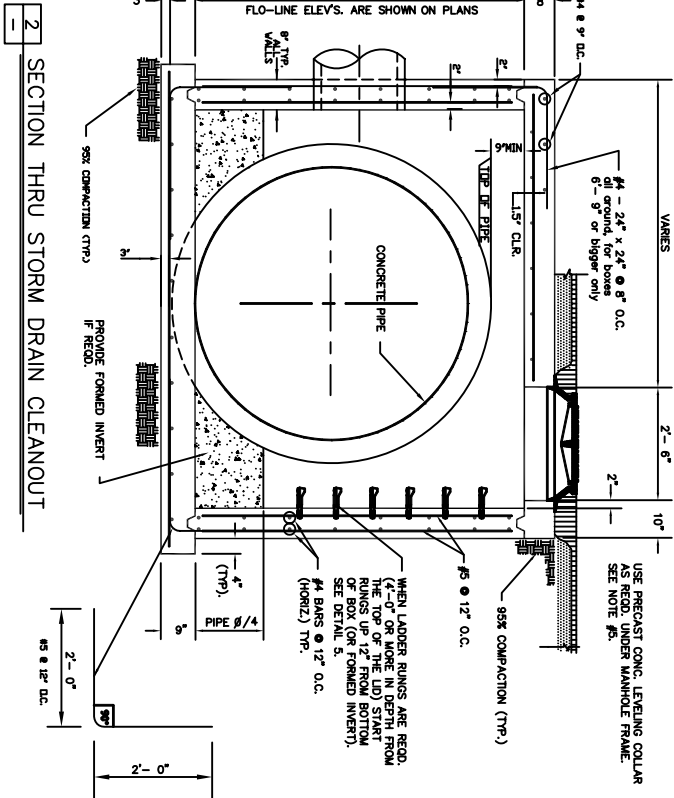
NOTES

1. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE 40.
2. FLO-LINE ELEV./ PIPE SIZES & LOCATIONS WILL BE SHOWN ON OTHER DRAWINGS.
3. ALL CONCRETE SHALL BE CLASS AMAKD.
4. PRECAST CONC. LEVELING CALLS TO ACCOMMODATE MH COVER ARE AVAILABLE IN 4", 6" & 8" THICK. GROUT UNDER FRAME AS RECD TO LEVEL.
5. STOP ALL REINFORCING STEEL 2" FROM ALL DEPENDS.
6. FINISH BOTH SIDES OF WALL IS RECD.
7. CONTRACTOR'S OPTION TO CUT STEEL IN FIELD.
8. ALL REINFORCING SHALL HAVE 2" COVER, OR AS OTHERWISE SHOWN.
9. FRAMES SHALL BE ADJUSTED TO FINAL GRADE AND CONCRETE COLLAR CONSTRUCTED AFTER PERMANENT ASPHALT PLACEMENT HAS BEEN COMPLETED.

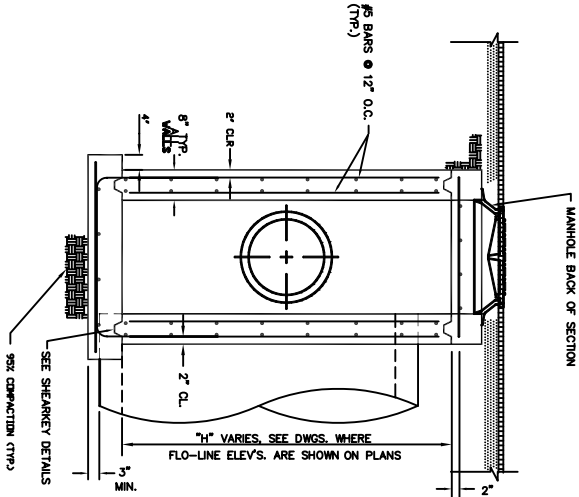


PIPE SIZE	DIMENSION "X"
18"	3'-10"
21"	3'-10"
24"	3'-10"
27"	4'-2"
30"	4'-6"
33"	4'-9"
36"	5'-0"
42"	5'-7"
48"	6'-3"
54"	6'-9"

FOR LARGER PIPE SIZE,  
CHECK WITH ENGINEER.



2 SECTION THRU STORM DRAIN CLEANOUT



4 SECTION THRU STORM DRAIN CLEANOUT



1.	DW	NOTE CHANGES	4-24-08
NO.	AUTHORIZED BY	REVISIONS	DATE

STANDARD PLAN  
CS-07  
STORM DRAIN CLEANOUT  
PLAN, SECTION, AND DETAILS